Author Index of Volume 75

Alper, H., 153
Alvarado, Y., 1
Alvila, L., 333
Ancillotti, F., 147
Andriollo, A., 1
Aragno, A., 147
Arai, T., L33
Araki, T., 21
Arias, J. L., 101
Asa, H., 21

Badrieh, Y., 161
Basini, L., 147
Bhanage, B. M., L19
Bhatt, K. N., 245
Bhatt, S. D., 41, 129
Blum, J., 153, 161
Boon, A. Q. M., 277, 293
Borovikov, M. S., L27
Brose, B., L13
Brubaker, Jr., C. H., 221

Cabrera, A., 101
Cavinato, G., 169
Chatterjee, D., L49
Chaudhari, R. V., L19, 187
Chen Rong, 253
Chiorino, A., 305
Chipperfield, J. R., 123
Cho, N. S., L1
Choudary, B. M., L7, 141
Cimino, A., 305
Comtat, M., 357
Courteix, A., 357

de Rossi, S., 305
Deshpande, R. M., L19
Dhaneshwar, N. N., 187
Divekar, S. S., L19
Drelinkiewicz, A., 321
Durliat, H., 357
Dziembaj, R., 81

Ferraris, G., 305
Fuentes, S., 63
Fukuda, H., 21

Ganeshpure, P. A., 109
Geus, J. W., 277, 293
Ghiotti, G., 305
Golovin, A. V., 235
Gombler, W., L13
González, A., 1

Hamaguchi, N., 117
Hasumi, F., L23
Hinokimori, T., 21
Hotta, K., 21
Huisman, H. M., 293
Huminer, H., 153

Igarashi, R., 15
Indovina, V., 305
Itoh, K., 117

Kahn, N. H., L49
Kameda, N., 15
Kayyal, A., 161
Kelkar, A. A., 187
Kholdeeva, O. A., 235
Kim, K. D., L1
Kojima, T., L33
Kovács, I., L27
Kozhevnikov, I. V., 179, 235
Krause, O., 333
Krishna Bhattacharya, P., 109
Kubleková, L., 53
Kubo, Y., 21
Kumbhar, A. S., 187
Kuriacose, J. C., 199

Lami, M., 147
Lau, S., 123
lee, C. W., L1
Lee, J. S., L1
Lee, S. M., L1
Lercher, J. A., 71

Makowski, W., 81
Maksimovskaya, R. I., 235
Marchionna, M., 147
Markó, L., 127

Mehta, S. H., 245
Miura, M., 117
Mizuno, K., L45
Moguel, M., 209

Nakada, N., L23
Nomura, M., 117
Nováková, J., 53

Obuchi, A., L45
Ogata, A., L45
Ogata, T., L33
Oh, J. S., L1
Ohkuba, K., L33
Okura, I., L23

Paál, Z., L13
Padhye, S. B., 187
Pakkanen, T. A., 333
Pakkanen, T. T., 333
Papp, H., 81
Pedraza, F., 63
Prakash Rao, A., L49, 41, 129, 245
Prati, L., 347
Puranik, V. G., 187

Raab, C. G., 71
Rajagopal, S., 199
Rajaram, J., 199
Rath, M., L13
Ravasio, N., 347
Rosales, M., 1
Rossi, M., 347
Rubio, R., 1

Sagara, T., L33
Sakaki, S., L33
Salmón, M., 101
Sanal Kumar, S., L49
Sánchez-Delgado, R. A., 1
Satish, S., 109
Schneider, G., L39
Schulz-Ekloff, G., L39
Séris, J.-L., 357
Shobha Rani, S., L7, 141
Sisak, A., L27
Stark, J., L39

Tanaka, N., 21
Taqui Khan, M. M., L49, 41, 129, 245
Tateishi, K., 21
Tavale, S. S., 187
Timofeeva, M. N., 179
Toniolo, L., 169
Trivedi, B. M., 109

Ungváry, F., L27

van Looij, F., 277
Vancheesan, S., 199
Vázquez, A., 63
Vázquez, D., 101
Velasco, L., 101
Venkata Subba Rao, Y., 141

Wang, C.-H., 221
Watanabe, K., 21
Webster, D. E., 123
Weigert, F. J., 209
Wöhrle, D., L39

Xin Qin, 253
Xu Jinglong, 253

Yamaguchi, T., 21

Subject Index of Volume 75

Acetic acid
synthesis of arylacetic acid derivatives via reduction of mandelic acid derivatives by CO catalysed by Pd–HCl system, 169
Acetone conversion
deactivation and regeneration of HZSM-5 zeolite in: properties of OH groups, 53
Alcohols
activity of $HRh(CO)(PPh_3)_3$ catalyst in hydroformylation of allyl alcohol: effect of second immiscible liquid phase, L19
de-t-butylation of phenols catalysed by bulk and supported heteropoly acid, 179
interaction of molecular oxygen with aminophenols mediated by Cu metal and Cu compounds, 347
mechanistic studies on homogeneous Ni-catalysed low temperature methanol synthesis, 147
non-classical urea oligomers: some new properties of Cu(II) ion encircled by bis-branched oligomeric urea ligand; properties associated with catalysis for oxidative coupling of phenols, 21
oxidation of 2,3,6-trimethylphenol in presence of molybdovanadophosphoric heteropoly acids, 235
Pd-catalysed carbonylation of allyl alcohols in presence of lithium chloride and titanium(IV) isopropoxide, 117
photooxidation of 2-mercaptoethanol in presence of water-soluble phthalocyanine and perylene-3,4,9,10-tetracarboxylic acid derivatives, L39
role of horseradish peroxidase in catalytic hydroxylation of phenol, 357
Aldehyde
activity and selectivity of $NiPt/SiO_2$ catalysts for hydrogenation of crotonaldehyde, 71
kinetics and mechanisms of homogeneous catalytic reactions; hydrogenation of benzaldehyde catalysed by $[RuH(CO)(NCMe)_2(PPh_3)_2]BF_4$, 1
Alkanes
ESR evidence for radicals polymerized from methane on Al-supported silica gel by UV irradiation, L45
influence of surface oxygen vacancies on catalytic activity of copper oxide; oxidation of methane, 293
kinetics and mechanism of oxidation of saturated hydrocarbons, cyclohexane and adamantane, with molecular O_2 catalysed by Ru(III)–saloph complex, L49
Alkenes, Olefins
catalytic hydroformylation of 1-hexene over $Co_2Rh_2(CO)_{12}$ supported on inorganic carrier materials, 333
epoxidation of, catalysed by Mn(III)–Schiff base complexes, 109
homogeneous catalytic hydrogenation of, using $RhH_2(Ph_2N_3)(PPh_3)_2$ in tetrahydrofuran, 15
nature of active site for propene hydrogenation on CrO_x/ZrO_2 catalysts, 305
octanoylcobalt tetracarbonyl formation from ethoxycarbonylcobalt tetracarbonyl and 1-heptene under $CO+H_2$ pressure at 25 °C, L27
terminal: montmorillonite silylpropylethylenediamine Pd(II) complex, new, in oxidation of, 141
Alkyne hydration
promoted by $RhCl_3$ and quaternary ammonium salts, 153
Alkynones
conjugated; rearrangement, hydrochlorination and hydration of, by Pt(IV) compounds under homogeneous and under biphasic conditions, 161
Aluminium
ESR evidence for radicals polymerized from methane on Al-supported silica gel by UV irradiation, L45
Amine
montmorillonite silylpropylethylenedi-

amine Pd(II) complex, new, in oxidation of terminal olefins, 141
synthesis and characterization of new ferrocenylamine sulphide ligands and their Pd complexes as catalysts for selective hydrogenation, 221
Aminophenols
interaction of molecular oxygen with, mediated by Cu metal and Cu compounds, 347
Aromatic compounds
activity of $HRh(CO)(PPh_3)_3$ catalyst in hydroformylation of allyl alcohol: effect of second immiscible liquid phase, L19
catalytic intermediates in carbonylation reactions: isolation, electronic, electrochemical characteristics and crystal structure of 2,6-diphenylpyridinium *trans*-dicarbonyl tetraiodorhodate(III), 187
deep hydrogenation of 2-ethylanthraquinone over Pd/SiO_2 catalyst in liquid phase, 321
de-t-butylation of phenols catalysed by bulk and supported heteropoly acid, 179
homogeneous catalytic hydrogenation of olefins using $RhH_2(Ph_2N_3)(PPh_3)_2$ in tetrahydrofuran, 15
interaction of molecular oxygen with aminophenols mediated by Cu metal and Cu compounds, 347
kinetics and mechanisms of heterogeneous catalytic reactions; hydrogenation of benzaldehyde catalysed by $[RuH(CO)(NCMe)_2^-\ (PPh_3)_2]BF_4$, 1
oxidation of 2,3,6-trimethylphenol in presence of molybdovanadophosphoric heteropoly acids, 235
Pd-catalysed *N,N'*-diphenylurea synthesis from nitrobenzene, aniline and CO: evidence of carbamoyl intermediate, L1
photooxidation of 2-mercaptoethanol in presence of water-soluble phthalocyanine and perylene-3,4,9,10-tetracarboxylic acid derivatives, L39
role of horseradish peroxidase in catalytic hydroxylation of phenol, 357
$RuCl_2(PPh_3)_3$-catalysed transfer hydrogenation of D-glucose, 199
synthesis of arylacetic acid derivatives via reduction of mandelic acid derivatives by CO catalysed by Pd–HCl system, 169
Autoxidation
Co(III)-catalysed: speciation in; studies using thin-layer chromatography, 123

Carbonyl
octanoylcobalt tetracarbonyl formation from ethoxycarbonylcobalt tetracarbonyl and 1-heptene under $CO + H_2$ pressure at 25 °C, L27
Carbonylation
catalytic intermediates in carbonylation reactions: isolation, electronic, electrochemical characteristics and crystal structure of 2,6-diphenylpyridinium *trans*-dicarbonyl tetraiodorhodate(III), 187
Pd-catalysed, of allyl alcohols in presence of lithium chloride and titanium(IV) isopropoxide, 117
Chromatography
thin-layer: studies using; speciation in Co(III)-catalysed autoxidation, 123
Chromium
nature of active site for propene hydrogenation on CrO_x/ZrO_2 catalysts, 305
Clusters
DV–Xα calculation on, of Co_9S_8 and RuS_2; quantum chemical study of hydrodesulphurization catalysts, 253
CO
influence of surface oxygen vacancies on catalytic activity of copper oxide; oxidation of, 277
octanoylcobalt tetracarbonyl formation from ethoxycarbonylcobalt tetracarbonyl and 1-heptene under $CO + H_2$ pressure at 25 °C, L27
Pd-catalysed *N,N'*-diphenylurea synthesis from nitrobenzene, aniline and: evidence of carbamoyl intermediate, L1
synthesis of arylacetic acid derivatives via reduction of mandelic acid derivatives by, catalysed by Pd–HCl system, 169
Cobalt
catalytic hydroformylation of 1-hexene over $Co_2Rh_2(CO)_{12}$ supported on inorganic carrier materials, 333

octanoylcobalt tetracarbonyl formation from ethoxycarbonylcobalt tetracarbonyl and 1-heptene under $CO+H_2$ pressure at 25 °C, L27
quantum chemical study of hydrodesulphurization catalysts: DV–Xα calculation on clusters of Co_9S_8 and RuS_2, 253
speciation in Co(III)-catalysed autoxidation: studies using thin-layer chromatography, 123
CO_2 hydrogenation
on Fe–Mn oxide catalyst doped with Rh and La, 81
Copper
influence of surface oxygen vacancies on catalytic activity of copper oxide: oxidation of CO, 277
oxidation of methane, 293
interaction of molecular oxygen with aminophenols mediated by Cu metal and Cu compounds, 347
non-classical urea oligomers: some new properties of Cu(II) ion encircled by bis-branched oligomeric urea ligand; properties associated with catalysis for oxidative coupling of phenols, 21
Crotonaldehyde
activity and selectivity of $NiPt/SiO_2$ catalysts for hydrogenation of, 71
Crystal structure
and isolation, electronic, electrochemical characteristics of 2,6-diphenylpyridinium *trans*-dicarbonyl tetraiodorhodate(III); catalytic intermediates in carbonylation reactions, 187
Cyclization
C_5 and C_6 ring closure of n-C_6 hydrocarbons over EUROPT-1; dehydrogenative or direct cyclization?, L13

De-t-butylation
of phenols catalysed by bulk and supported heteropoly acid, 179
1,3-Dioxolane formation
with montmorillonite-type clay catalyst, 101
Doping
CO_2 hydrogenation on Fe–Mn oxide catalyst doped with Rh and La, 81

Electronic and electrochemical characteristics
and isolation and crystal structure of 2,6-diphenylpyridinium *trans*-dicarbonyl tetraiodorhodate(III); catalytic intermediates in carbonylation reactions, 187
Epoxidation
of olefins catalysed by Mn(III)–Schiff base complexes, 109
Esters
α,β-unsaturated; metalloporphyrin-catalysed hydrogenation of, L33
EUROPT-1
C_5 and C_6 ring closure of n-C_6 hydrocarbons over; dehydrogenative or direct cyclization?, L13

Furan
homogeneous catalytic hydrogenation of olefins using $RhH_2(Ph_2N_2)(PPh_3)_2$ in tetrahydrofuran, 15

Glucose
D-; $RuCl_2(PPh_3)_3$-catalysed transfer hydrogenation of, 199

Heteropoly acid(s)
bulk and supported; de-t-butylation of phenols catalysed by, 179
molybdovanadophosphoric; oxidation of 2,3,6-trimethylphenol in presence of, 235
Horseradish peroxidase
role of, in catalytic hydroxylation of phenol, 357
Hydration
alkyne hydration promoted by $RhCl_3$ and quaternary ammonium salts, 153
and rearrangement and hydrochlorination of conjugated alkynones by Pt(IV) compounds under homogeneous and under biphasic conditions, 161
Hydrochlorination
and rearrangement and hydration of conjugated alkynones by Pt(IV) compounds under homogeneous and under biphasic conditions, 161
Hydrodecyanation, 209
Hydrodesulphurization
activity; influence of sulphidation on morphology and, of Pd particles on silica, 63

catalysts: quantum chemical study of; DV–Xα calculation on clusters of Co_9S_8 and RuS_2, 253

Hydroformylation
activity of $HRh(CO)(PPh_3)_3$ catalyst in, of allyl alcohol: effect of second immiscible liquid phase, L19
catalytic, of 1-hexene over $Co_2Rh_2(CO)_{12}$ supported on inorganic carrier materials, 333

Hydrogen
hydrogenation of pyruvic acid by, with combination of hydrogenase and lactate dehydrogenase, L23
octanoylcobalt tetracarbonyl formation from ethoxycarbonylcobalt tetracarbonyl and 1-heptene under $CO+H_2$ pressure at 25 °C, L27

Hydrogenase
and lactate dehydrogenase; hydrogenation of pyruvic acid by hydrogen with combination of, L23

Hydrogenation
activity and selectivity of $NiPt/SiO_2$ catalysts for, of crotonaldehyde, 71
of benzaldehyde catalysed by $[RuH(CO)(NCMe)_2(PPh_3)_2BF_4$; kinetics and mechanisms of homogeneous catalytic reactions, 1
CO_2, on Me–Mn oxide catalyst doped with Rh and La, 81
deep, of 2-ethylanthraquinone over Pd/SiO_2 catalyst in liquid phase, 321
homogeneous catalytic, of olefins using $RhH_2(Ph_2N_3)(PPh_3)_2$ in tetrahydrofuran, 15
metalloporphyrin-catalysed, of α,β-unsaturated esters, L33
propene; nature of active site for, on CrO_x/ZrO_2 catalysts, 305
of pyruvic acid by hydrogen with combination of hydrogenase and lactate dehydrogenase, L23
$RuCl_2(PPh_3)_3$-catalysed transfer, of D-glucose, 199
selective; synthesis and characterization of new ferrocenylamine sulphide ligands and their Pd complexes as catalysts for, 221

Hydroxylation
catalytic; role of horseradish peroxidase in, of phenol, 357

Iron
CO_2 hydrogenation on Fe–Mn oxide catalyst doped with Rh and La, 81
synthesis and characterization of new ferrocenylamine sulphide ligands and their Pd complexes as catalysts for selective hydrogenation, 221

Lactate dehydrogenase
and hydrogenase; hydrogenation of pyruvic acid by hydrogen with combination of, L23

Lanthanum
CO_2 hydrogenation on Fe–Mn oxide catalyst doped with Rh and La, 81

Lithium
Pd-catalysed carbonylation of allyl alcohols in presence of lithium chloride and titanium(IV) isopropoxide, 117

Mandelic acid derivatives
synthesis of arylacetic acid derivatives via reduction of, by CO catalysed by Pd–HCl system, 169

Manganese
CO_2 hydrogenation on Fe–Mn oxide catalyst doped with Rh and La, 81
epoxidation of olefins catalysed by Mn(III)–Schiff base complexes, 109

Molybdenum
oxidation of 2,3,6-trimethylphenol in presence of molybdovanadophosphoric heteropoly acids, 235

Montmorillonite
silylpropylethylenediamine Pd(II) complex, new, in oxidation of terminal olefins, 141
-type clay catalyst; 1,3-dioxolane formation with, 101
V-pillared, catalyst for selective oxidation of sulphides to sulphoxides, L7

Nickel
activity and selectivity of $NiPt/SiO_2$ catalysts for hydrogenation of crotonaldehyde, 71
mechanistic studies on homogeneous Ni-catalysed low temperature methanol synthesis, 147

Olefins: see Alkenes

Oligomers
non-classical urea: some new properties of Cu(II) ion encircled by bis-

branched oligomeric urea ligand; properties associated with catalysis for oxidative coupling of phenols, 21
Oxidation
of CO; influence of surface oxygen vacancies on catalytic activity of copper oxide, 277
electrocatalytic, of organic substrates with oxygen using Ru–Schiff base complex, 245
kinetics and mechanism of, of saturated hydrocarbons, cyclohexane and adamantane, with molecular O_2 catalysed by Ru(III)–saloph complex, L49
of methane; influence of surface oxygen vacancies on catalytic activity of copper oxide, 293
montmorillonite silylpropylethylenediamine Pd(II) complex, new, in, of terminal olefins, 141
of organic substrates by molecular O_2 catalysed by dichlorotetraaquoruthenium(III) ion, 129
selective; V-pillared montmorillonite catalyst for, of sulphides to sulphoxides, L7
of 2,3,6-trimethylphenol in presence of molybdovanadophosphoric heteropoly acids, 235
Oxygen
electrocatalytic oxidation of organic substrates with, using Ru–Schiff base complex, 245
influence of surface oxygen vacancies on catalytic activity of copper oxide:
oxidation of CO, 277
oxidation of methane, 293
interaction of molecular oxygen with aminophenols mediated by Cu metal and Cu compounds, 347
kinetics and mechanism of oxidation of saturated hydrocarbons, cyclohexane and adamantane, with molecular O_2 catalysed by Ru(III)–saloph complex, L49
oxidation of organic substrates by molecular O_2 catalysed by dichlorotetraaquoruthenium(III) ion, 129
oxygenation reactions of saturated and unsaturated substrates by molecular O_2 catalysed by versatile catalyst $K[Ru(EDTA–H)Cl]\cdot 2H_2O$: rate and activation studies, 41
Oxygenation reactions
of saturated and unsaturated substrates by molecular O_2 catalysed by versatile catalyst $K[Ru(EDTA–H)Cl]\cdot 2H_2O$: rate and activation studies, 41

Palladium
-catalysed carbonylation of allyl alcohols in presence of lithium chloride and titanium(IV) isopropoxide, 117
-catalysed *N,N'*-diphenylurea synthesis from nitrobenzene, aniline and CO: evidence of carbamoyl intermediate, L1
deep hydrogenation of 2-ethylanthraquinone over Pd/SiO_2 catalyst in liquid phase, 321
influence of sulphidation on morphology and hydrodesulphurization activity of Pd particles on silica, 63
montmorillonite silylpropylethylenediamine Pd(II) complex, new, in oxidation of terminal olefins, 141
synthesis of arylacetic acid derivatives via reduction of mandelic acid derivatives by CO catalysed by Pd–HCl system, 169
synthesis and characterization of new ferrocenylamine sulphide ligands and their Pd complexes as catalysts for selective hydrogenation, 221
Photooxidation
of 2-mercaptoethanol in presence of water-soluble phthalocyanine and perylene-3,4,9,10-tetracarboxylic acid derivatives, L39
Phthalocyanine
Photooxidation of 2-mercaptoethanol in presence of water-soluble phthalocyanine and perylene-3,4,9,10-tetracarboxylic acid derivatives, L39
Platinum
activity and selectivity of $NiPt/SiO_2$ catalysts for hydrogenation of crotonaldehyde, 71
rearrangement, hydrochlorination and hydration of conjugated alkynones by Pt(IV) compounds under homogeneous and under biphasic conditions, 161
Porphyrin
metalloporphyrin-catalysed hydrogenation of α,β-unsaturated esters, L33

Potassium
oxygenation reactions of saturated and unsaturated substrates by molecular O_2 catalysed by versatile catalyst $K[Ru(EDTA–H)Cl]\cdot 2H_2O$: rate and activation studies, 41
Pyruvic acid
hydrogenation of, by hydrogen with combination of hydrogenase and lactate dehydrogenase, L23

Quantum chemical study
of hydrodesulphurization catalysts: DV–Xα calculation on clusters of Co_9S_8 and RuS_2, 253
Quaternary ammonium salts
alkyne hydration promoted by $RhCl_3$ and, 153

Rhodium
activity of $HRh(CO)(PPh_3)_3$ catalyst in hydroformylation of allyl alcohol: effect of second immiscible liquid phase, L19
alkyne hydration promoted by $RhCl_3$ and quaternary ammonium salts, 153
catalytic hydroformylation of 1-hexene over $Co_2Rh_2(CO)_{12}$ supported on inorganic carrier materials, 333
catalytic intermediates in carbonylation reactions: isolation, electronic, electrochemical characteristics and crystal structure of 2,6-diphenylpyridinium *trans*-dicarbonyl tetraiodorhodate(III), 187
CO_2 hydrogenation on Fe–Mn oxide catalyst doped with Rh and La, 81
homogeneous catalytic hydrogenation of olefins using $RhH_2(Ph_2N_3)(PPh_3)_2$ in tetrahydrofuran, 15
Ruthenium
electrocatalytic oxidation of organic substrates with oxygen using Ru–Schiff base complex, 245
kinetics and mechanism of oxidation of saturated hydrocarbons, cyclohexane and adamantane, with molecular O_2 catalysed by Ru(III)–saloph complex, L49
kinetics and mechanisms of homogeneous catalytic reactions; hydrogenation of benzaldehyde catalysed by $[RuH(CO)(NCMe)_2(PPh_3)_2]BF_4$, 1
oxidation of organic substrates by molecular O_2 catalysed by dichlorotetraaquoruthenium(III) ion, 129
oxygenation reactions of saturated and unsaturated substrates by molecular O_2 catalysed by versatile catalyst $K[Ru(EDTA–H)Cl]\cdot 2H_2O$: rate and activation studies, 41
quantum chemical study of hydrodesulphurization catalysts: DV–Xα calculation on clusters of Co_9S_8 and RuS_2, 253
$RuCl_2(PPh_3)_3$-catalysed transfer hydrogenation of D-glucose, 199

Schiff base
electrocatalytic oxidation of organic substrates with oxygen using Ru–Schiff base complex, 245
epoxidation of olefins catalysed by Mn(III)–Schiff base complexes, 109
Silicon
activity and selectivity of $NiPt/SiO_2$ catalysts for hydrogenation of crotonaldehyde, 71
deep hydrogenation of 2-ethylanthraquinone over Pd/SiO_2 catalyst in liquid phase, 321
ESR evidence for radicals polymerized from methane on Al-supported silica gel by UV irradiation, L45
influence of sulphidation on morphology and hydrodesulphurization activity of Pd particles on silica, 63
montmorillonite silylpropylethylenediamine Pd(II) complex, new, in oxidation of terminal olefins, 141
Spectroscopy
ESR evidence for radicals polymerized from methane on Al-supported silica gel by UV irradiation, L45
Sulphidation
influence of, on morphology and hydrodesulphurization activity of Pd particles on silica, 63
Sulphur
photooxidation of 2-mercaptoethanol in presence of water-soluble phthalocyanine and perylene-3,4,9,10-tetracarboxylic acid derivatives, L39
quantum chemical study of hydrodesulphurization catalysts: DV–Xα calculation on clusters of Co_9S_8 and RuS_2, 253

synthesis and characterization of new ferrocenylamine sulphide ligands and their Pd complexes as catalysts for selective hydrogenation, 221
V-pillared montmorillonite catalyst for selective oxidation of sulphides to sulphoxides, L7
Surface oxygen vacancies
influence of, on catalytic activity of copper oxide:
oxidation of CO, 277
oxidation of methane, 293

Titanium
Pd-catalysed carbonylation of allyl alcohols in presence of lithium chloride and titanium(IV) isopropoxide, 117

Urea
non-classical, oligomers: some new properties of Cu(II) ion encircled by bis-branched oligomeric urea ligand; properties associated with catalysis for oxidative coupling of phenols, 21
Pd-catalysed *N,N'*-diphenylurea synthesis from nitrobenzene, aniline and CO: evidence of carbamoyl intermediate, L1
UV irradiation
ESR evidence for radicals polymerized from methane on Al-supported silica gel by, L45

Vanadium
-pillared montmorillonite catalyst for selective oxidation of sulphides to sulphoxides, L7

Water
photooxidation of 2-mercaptoethanol in presence of water-soluble phthalocyanine and perylene-3,4,9,10-tetracarboxylic acid derivatives, L39

Zeolite
deactivation and regeneration of HZSM-5 zeolite in acetone conversion: properties of OH groups, 53
Zirconium
nature of active site for propene hydrogenation on CrO_x/ZrO_2 catalysts, 305